| PATENT APPLICATION FEE DETERMINATION RECORD  Effective October 1, 2001  |  |   |              |             |                                 |                  |      |                            |                        |    |           |                        |   |
|---|--|---|--------------|-------------|---------------------------------|------------------|------|----------------------------|------------------------|----|-----------|------------------------|---|
| CLAIMS AS FILED - PART I  |  |   |              |             |                                 |                  |      | SMALL ENTITY OF OTHER THAT |                        |    |           |                        |   |
| TOT   | AL CLAIMS                                      |   | 23           |             |                                 |                  | RA   | RATE FEE                   |                        | [  | RATE      | FEE                    |   |
| FOR   |  |   | NUMBER FILED |             | HUMBE                           | R EXTRA          | BASE | FEE                        | 370,00                 | OR | ASIC FEE  | 740.00                 |   |
| TOTAL CHARGEABLE CLAIMS   |  |   | 23 minus 20a |             | ٠                               |                  | XS   | 9=                         | 21                     | OR | X\$18-    |                        | r |
| INDEPENDENT CLAIMS  |  |   | 2 minus 3 =  |             | <u> </u>                        |                  | X4   | 2-                         |                        | OR | X84=      |                        |   |
| MULTIPLE DEPENDENT CLAIM PRESENT  |  |   |              |             |                                 |                  | +14  | 10=                        | 4                      | OR | +280°     | $\times$               | 1 |
| • If the difference in column 1 is less than zero, enter "O" in column 2 TOTAL 38.2 OR TOTAL  |  |   |              |             |                                 |                  |      |                            |                        | ┡  |           |                        |   |
| CLAIMS AS AMENDED - PART II  OTHER THAN SMALL ENTITY OR SMALL ENTITY OR SMALL ENTITY  ADDI-   |  |   |              |             |                                 |                  |      |                            |                        |    |           |                        |   |
| ∀.  |  | CLAHAS<br>REMAINING<br>AFTER              | ٠. ر         | NUA<br>PREV | HEST<br>MBER<br>MOUSLY          | PRESENT<br>EXTRA | R/   | \TE                        | ADDI-<br>TIONAL<br>FEE |    | RATE      | ADDI-<br>TIONAL<br>FEE |   |
| AMENDMENT   | Total  | · /1                                      | Minus        | ** <        | 23                              | 0                | X    | 9=                         |                        | OR | X\$18=    | 1                      | 1 |
|   | Independent                                    | . 2                                       | Minus        | ***         | 3                               | <b>D</b>         | ×    | <b>12</b> 0                |                        | OR | X84=      |                        | ] |
| <u>₹</u>  | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |   |              |             |                                 |                  | +1   | 40= ·                      | 1/2                    | OR | +280=     |                        | l |
| •   |  |   |              |             |                                 |                  |      | OYAL                       |                        | OН | ADDIT. FE |                        | 1 |
| 221-06 (Column 1) (Column 2) (Column 3)   |  |   |              |             |                                 |                  |      |                            |                        | 1  |           |                        |   |
| 0   |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |              | NU<br>PRE   | MEST<br>MBER<br>MOUSLY<br>D FOR | PRESENT<br>EXTRA | R    | ATE                        | ADDI-<br>TIONAL<br>FEE |    | RATE      | ADDI-<br>TIONAL<br>FEE | _ |
| <b>AMENDMENT</b>  | Total  | · /2                                      | Minus        | - 2         | 23                              | - /              | X    | 9=                         | 1                      | OR | X\$18=    | 1 7                    | 1 |
| Z Z   | Independent                                    | . 7                                       | Minus        |             | 3                               |                  | ×    | 420                        |                        | OR | X84=      |                        |   |
| ₹   | FIRST PRESE                                    | NTATION OF                                | MULTIPLE DE  | PENDE       | NT CLAIN                        |                  | •1   | 40-                        |                        | OR | +280=     | 1/1                    | · |
| TOTAL ADOIT, FEE OR ADOIT, FEE  |  |   |              |             |                                 |                  |      |                            |                        | 1  |           |                        |   |
| <u>1</u>  | DOU  | Column 1                                  | )            |             | tumn 2)<br>GHESY                | (Column 3)       | _    |                            | ADDI-                  | 1  |           | ADDI-                  | - |
| AT C  |  | REMAINING<br>AFTER                        |              | PRE         | UMBER<br>VIOUSLY<br>VID FOR     | PRESENT          | R    | ATE                        | TIONAL                 |    | RATE      | TIONA<br>FEE           |   |
|   | Total  | . O                                       | Minus        | /           | 73                              | .77              | X    | \$ 9=                      | /                      | ОЯ | X\$18=    |                        | 1 |
| AMENDME   | Independent                                    | . 1                                       | Minus        |             | 3                               | FO               |      | 42=                        | 17                     | OR | XB4=      |                        |   |
| Ľ   | FIRST PRES                                     | ENTATION OF                               | MULTIPLE DE  | PENDE       | ENT CLAI                        | M                | ١,   | 140=                       | X                      | OR | +280=     | K                      | 1 |
| * If the entry in column 1 is tess than the entry in column 2, write "0" in column 3.  * If the entry in column 1 is tess than the entry in column 2, write "0" in column 3.  * If the Prophest Number Previously Paid For IN THIS SPACE is less than 20, enter "2."  * If the Prophest Number Previously Paid For IN THIS SPACE is less than 2, enter "3."  ** If the Prophest Number Previously Paid For IN THIS SPACE is less than 2 in the "2." |  |   |              |             |                                 |                  |      |                            |                        | 早  |           |                        |   |
| ** If the Teighest Number Previously Paid For IN THIS SPACE is less than 3, enter "3," ***If the Teighest Number Previously Paid For IN THIS SPACE is less than 3, enter "3," ***If the Teighest Number Previously Paid For (Total or Independent) is the highest number found in the appropriate box in column 1.  The Teighest Number Previously Paid For (Total or Independent) is the highest number found in the appropriate box in column 1.  |  |   |              |             |                                 |                  |      |                            |                        |    |           |                        |   |

Application o

|  | Application or Docket Number   |   |                  |   |                                       |                |             |                        |                       |                  |                        |
|--|--|---|------------------|---|---------------------------------------|----------------|-------------|------------------------|-----------------------|------------------|------------------------|
| PATENT APPLICATION FEE DETERMINATION RECORD  Effective October 1, 2001   |  |   |                  |   |                                       |                |             |                        |                       |                  |                        |
|  | C  | SMA                                       | LL ENT           |   |                                       | OTHER TI       |             |                        |                       |                  |                        |
| TOTA   | AL CLAIMS  |   | (Column 1)<br>23 |   |                                       |                | ATE         | FEE                    | <u> </u>              | RATE             | FEE                    |
|  |  |   | NUMBER FIL       | ED NUMBER                                   | REXTRA                                | BAS            | C FEE       | 35500                  | OR B                  | ASIC FEE 7       | 40.00                  |
| FOR  | · CHARCEARI  | E CLAIMS                                  | 23 minus         |   |                                       | X              | 9=          | 97                     | OR :                  | X\$18=           | 1                      |
| TOTAL CHARGEABLE CLAIMS  |  |   | ~                | s 3 = *                                     |                                       | T <sub>x</sub> | 42=         |                        | OR                    | X84=             |                        |
|  | PENDENT CLAI   |   | 2                | .50-  |                                       |                |             | -/-1                   | <u> </u>              | +280= X          |                        |
| MULTIPLE DEPENDENT CLAIM PRESENT +140=   |  |   |                  |   |                                       |                |             |                        | J''L                  |                  | $\mathbf{X}$           |
| * If the difference in column 1 is less than zero, enter "0" in column 2  TOTAL 383 OR TOTAL  OTHER THAN   |  |   |                  |   |                                       |                |             |                        |                       |                  |                        |
|  | CLAIMS AS AMENDED - PART II (Column 2) (Column 3)  |   |                  |   |                                       |                |             | NTITY                  | OR                    | SMALL E          |                        |
| <i>O[</i><br>▼   |  | (Column 1) CLAIMS REMAINING AFTER         |                  | HIGHEST<br>NUMBER<br>PREVIOUSLY             | PRESENT<br>EXTRA                      | F              | ÁTE         | ADDI-<br>TIONAL<br>FEE |                       | RATE             | ADDI-<br>TIONAL<br>FEE |
| AMENDMENT A  |  | AMENDMENT                                 | Minus            | PAID FOR                                    | =9                                    |                | \$ 9=       | í                      | OR                    | X\$18=           | 1                      |
|  | Total Independent  | . 1                                       | Minus            | *** (3                                      | 7)                                    | 1   7          | (42=        |                        | OR                    | X84=             |                        |
| ¥ -  | FIRST PRESEN   |   | AULTIPLE DEP     | ENDENT CLAIM                                |                                       | ] 上            | 140-        | X                      | OR                    | +280=            | 10                     |
| ┞┷   |  | Ľ   | 140=<br>TOTAL    |   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | TOTAL          |             |                        |                       |                  |                        |
| ADDIT. FEE   |  |   |                  |   |                                       |                |             |                        | $\Rightarrow \forall$ |                  |                        |
|  |  | (Column 1)                                |                  | (Column 2)<br>HIGHEST                       | (Column 3                             | ነ ፫            | <del></del> | ADDI-                  | 1                     |                  | ADDI-                  |
| ENDMENT B  |  | REMAINING<br>AFTER<br>AMENDMENT           |                  | NUMBER<br>PREVIOUSLY<br>PAID FOR            | PRESENT<br>EXTRA                      | <u> </u>       | RATE        | TIONAL<br>FEE          |                       | RATE             | TIONAL<br>FEE          |
| ME   | Total  | *   | Minus            | ##  | -                                     | <b>』</b> ┃     | X\$ 9=_     |                        | OR                    | X\$18=           |                        |
|  | Independent  | *   | Minus            | ***   | ]                                     | ┨┞             | X42=        |                        | OR                    | X84=             |                        |
| A  | FIRST PRESE  | NTATION OF                                | MULTIPLE DEF     | PENDENT CLAIM                               |                                       | ┙┞             | 140=        |                        | OR                    | +280=            |                        |
|  |  |   |                  |   |                                       | . <b>L</b>     | TOTAL       |                        | OR                    | TOTAL ADDIT. FEE |                        |
|  |  |   |                  | (Column 2)                                  | (Column                               |                | <b></b>     |                        |                       |                  |                        |
| 101  |  | (Column 1<br>CLAIMS<br>REMAINING<br>AFTER | 3                | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA                      | ٦г             | RATE        | ADDI-<br>TIONAL<br>FEE |                       | RATE             | ADDI-<br>TIONAL<br>FEE |
| AMENDMENT C  | Total  | AMENDMEN                                  | Minus            | ta  | =                                     | 71             | X\$ 9=      |                        | OR                    | X\$18=           |                        |
|  | Total Independent  | <del> </del>                              | Minus            | ***   | =                                     | <b>]</b>       | X42=        | 1                      | OR                    | V04=             |                        |
| ¥  | FIRST PRES   |   | MULTIPLE DE      | PENDENT CLAI                                | М                                     | コト             |             | +                      | 1                     |                  |                        |
| 1  |  |   |                  |   |                                       | L              | +140=       |                        | OR                    | TOTAL            |                        |
| 1:   | * If the entry in column 1 is less than the entry in column 2, white a strain 20, enter "20." ADDIT. FEE ADDIT. FEE ADDIT. FEE |   |                  |   |                                       |                |             |                        |                       |                  |                        |
| ***If the "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in countri.  The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in countri. |  |   |                  |   |                                       |                |             |                        |                       |                  |                        |
| -  | Patent and Trademark Office, U.S. DEPARTMENT OF COMMERC  |   |                  |   |                                       |                |             |                        |                       |                  |                        |